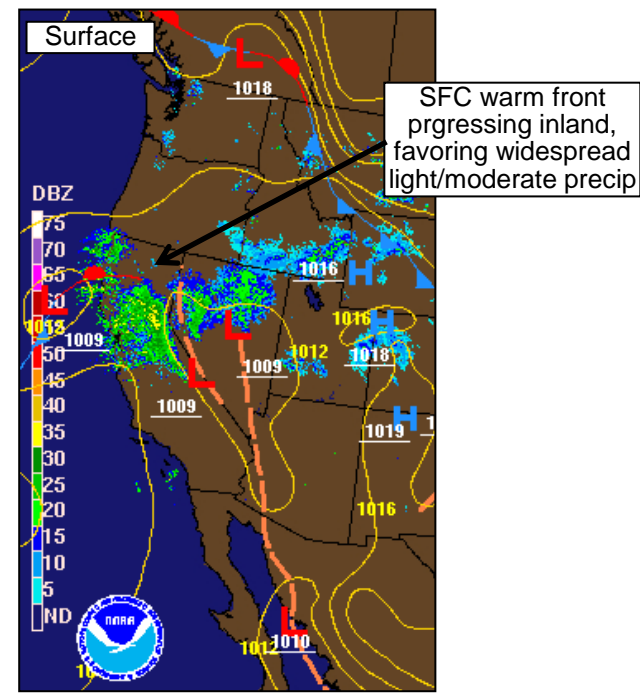
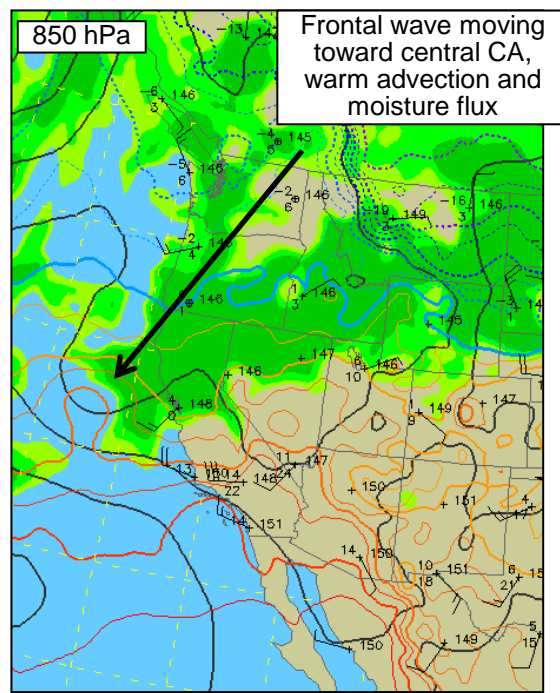
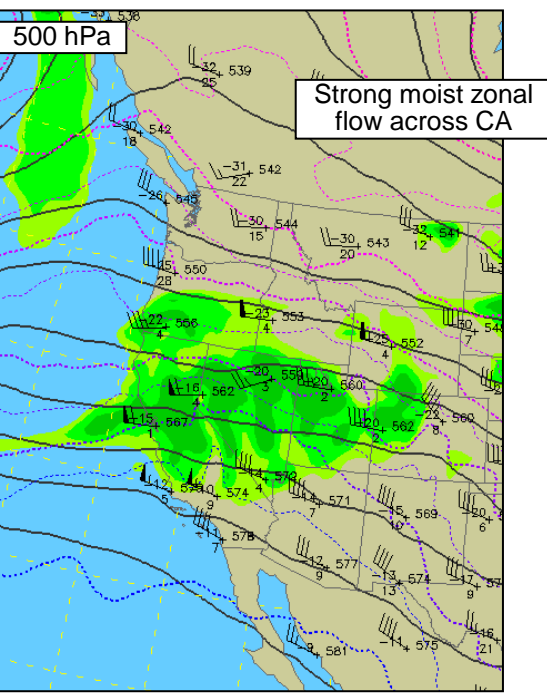
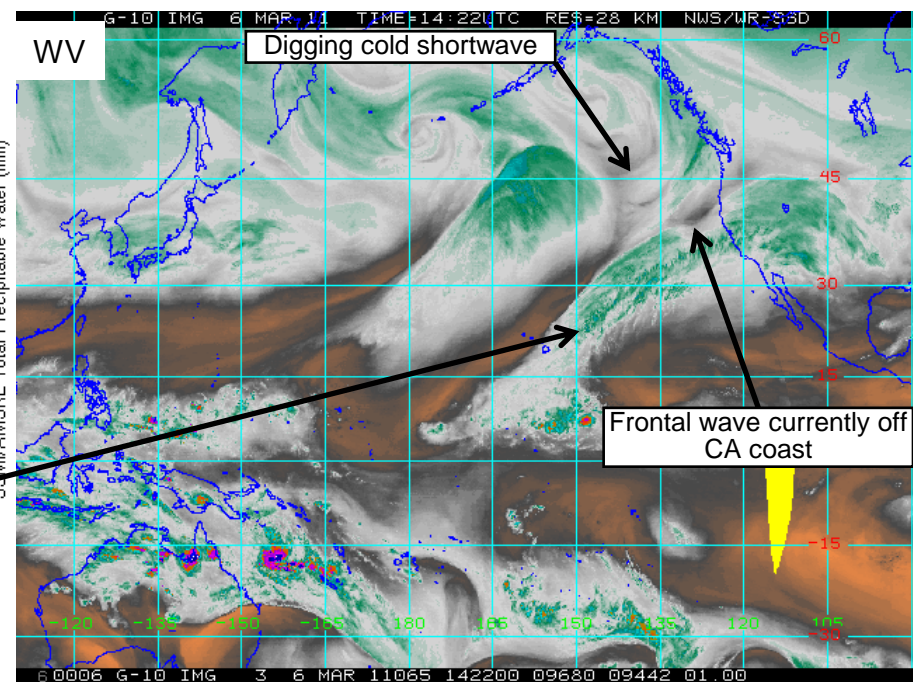
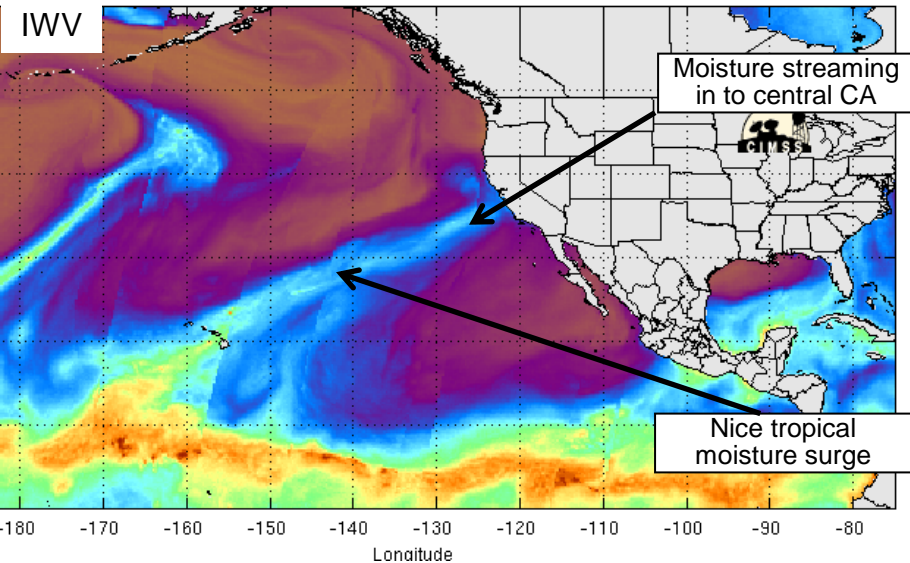


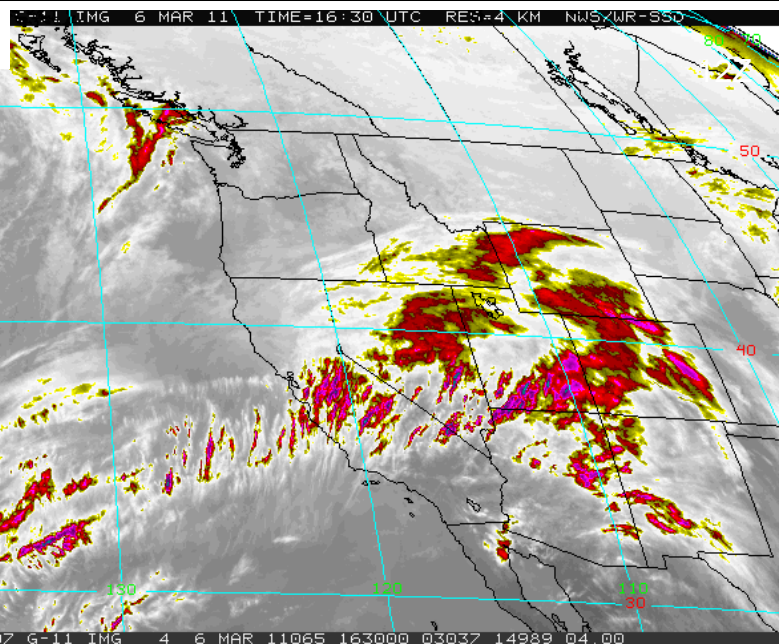
Weather forecast graphics  
for CalWater/HMT-2011:  
6 Mar 2011

# Conditions this morning

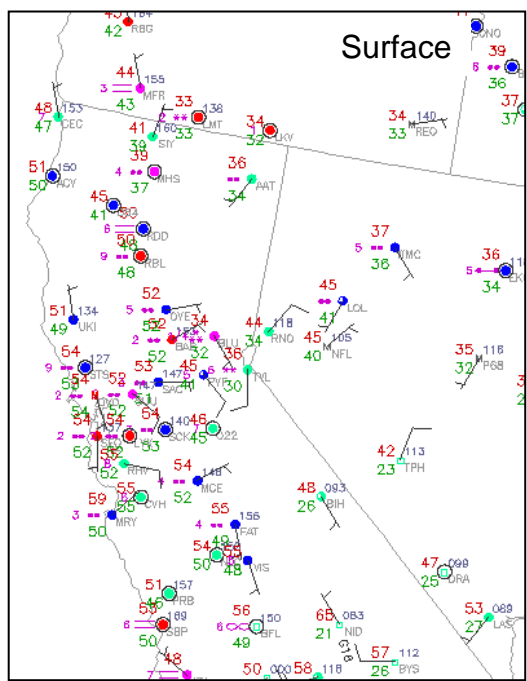
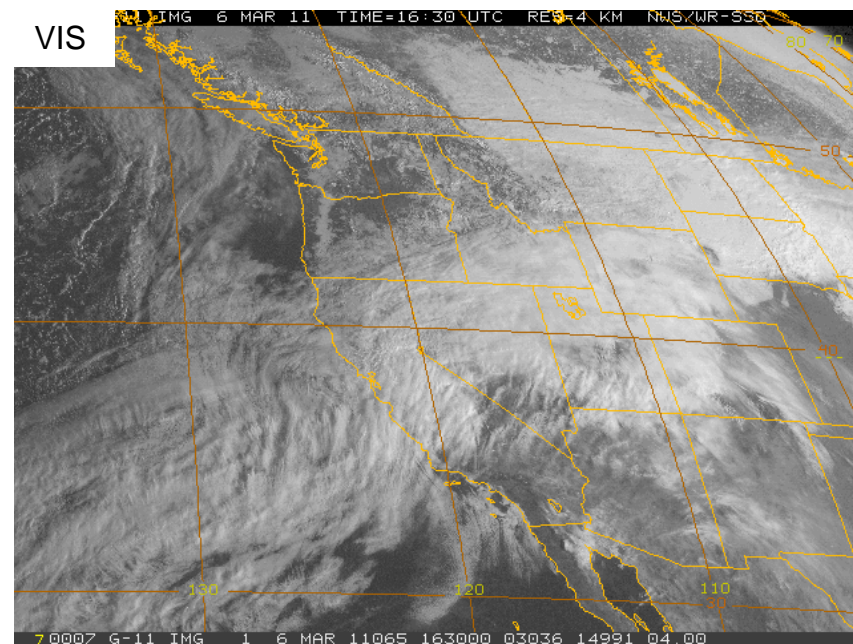


# Conditions this morning

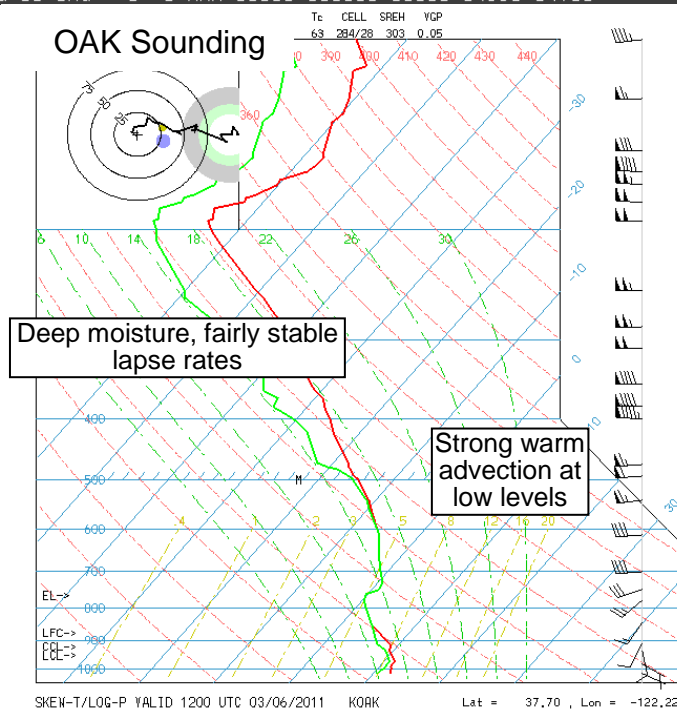
IR



VIS



OAK Sounding



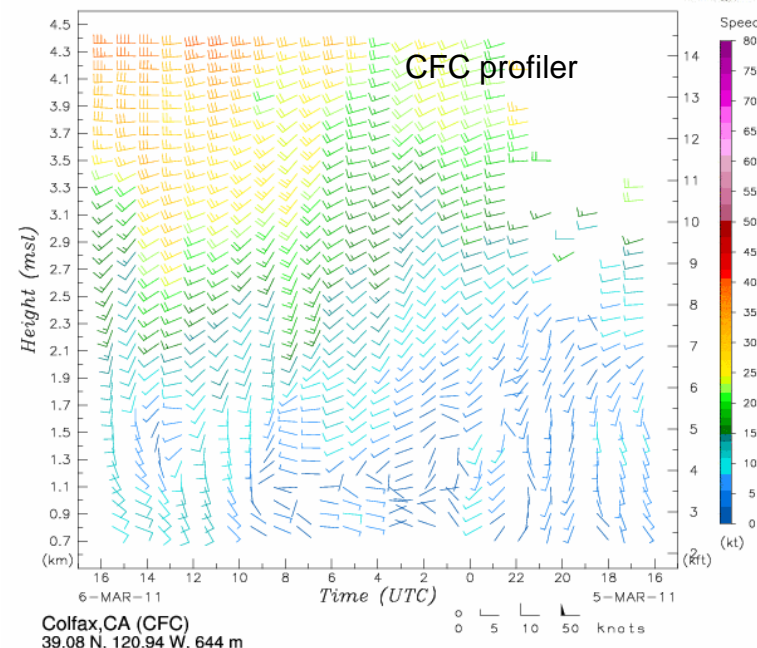
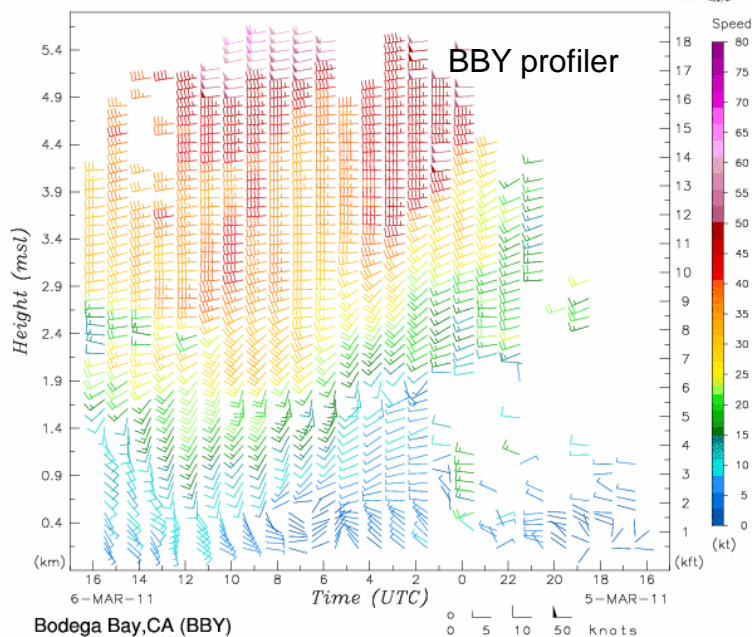


# ESRL Physical Sciences Division Wind Profiling Radar

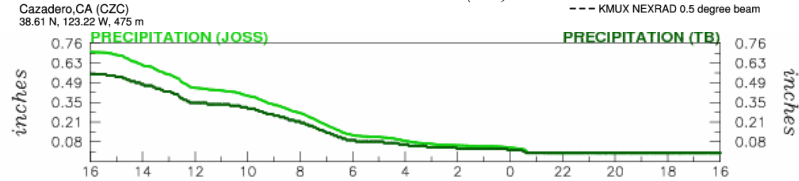
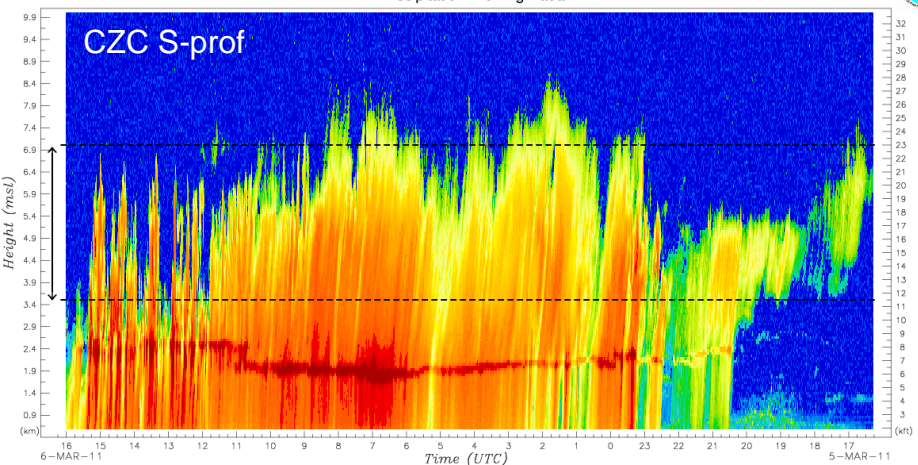


More obs

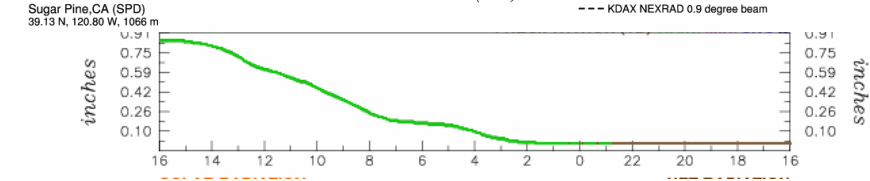
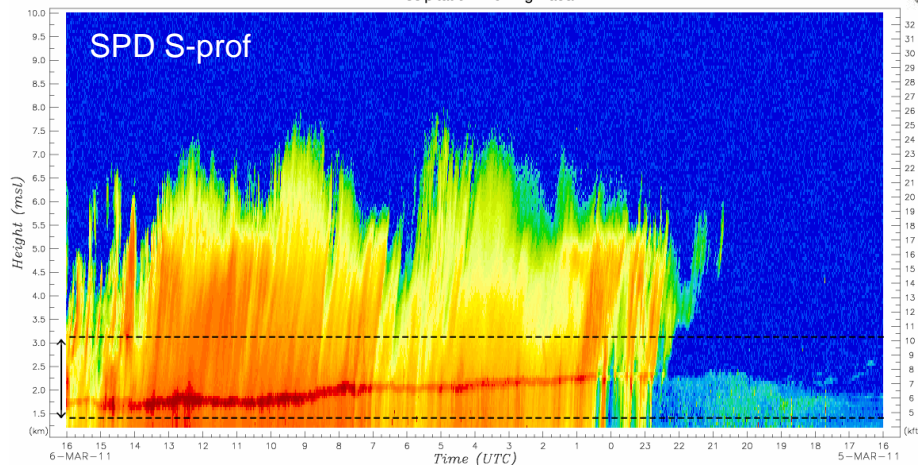
# ESRL Physical Sciences Division Wind Profiling Radar



## ESRL Physical Sciences Division Precipitation Profiling Radar



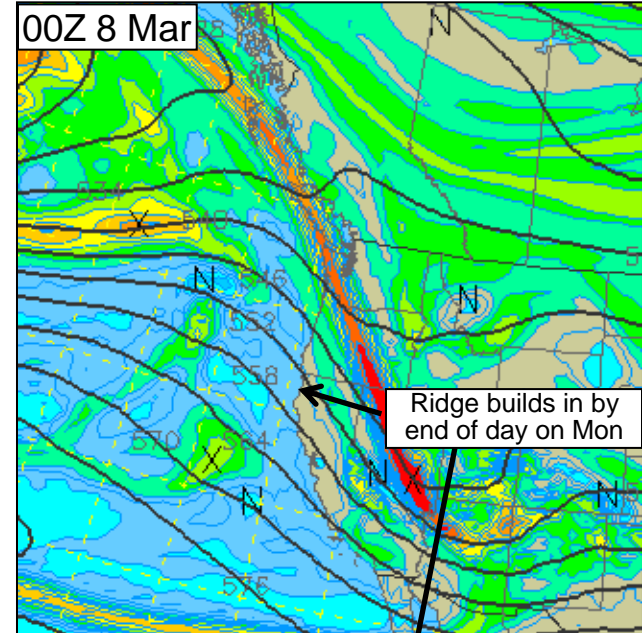
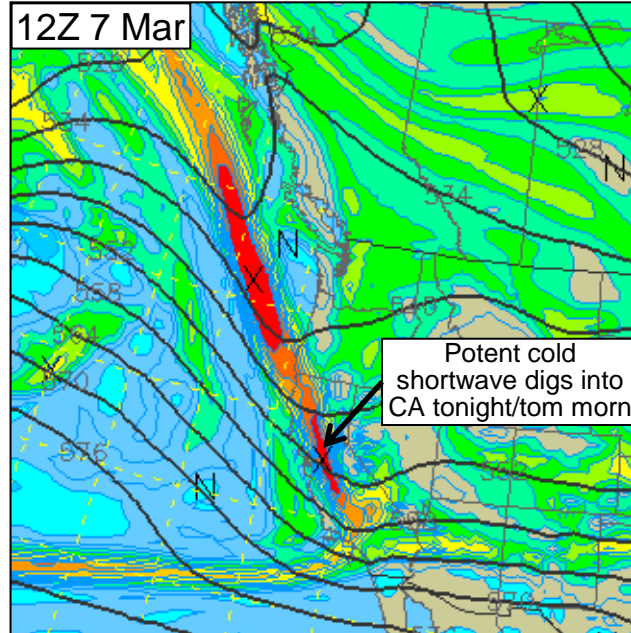
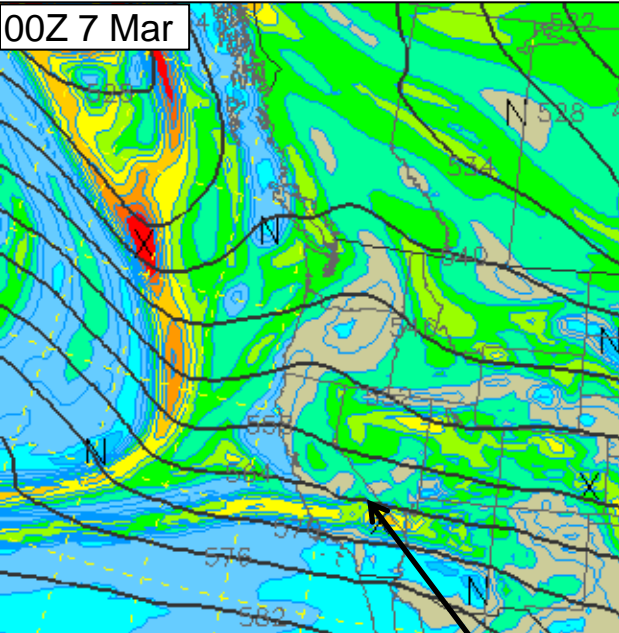
## ESRL Physical Sciences Division Precipitation Profiling Radar



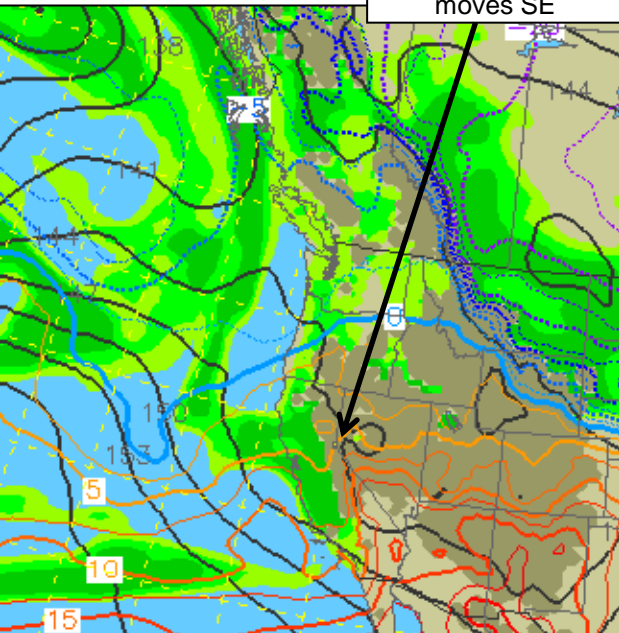
Outlook to 96 h

# Short-range synoptic-scale outlook: 00Z 7 Mar – 00Z 8 Mar

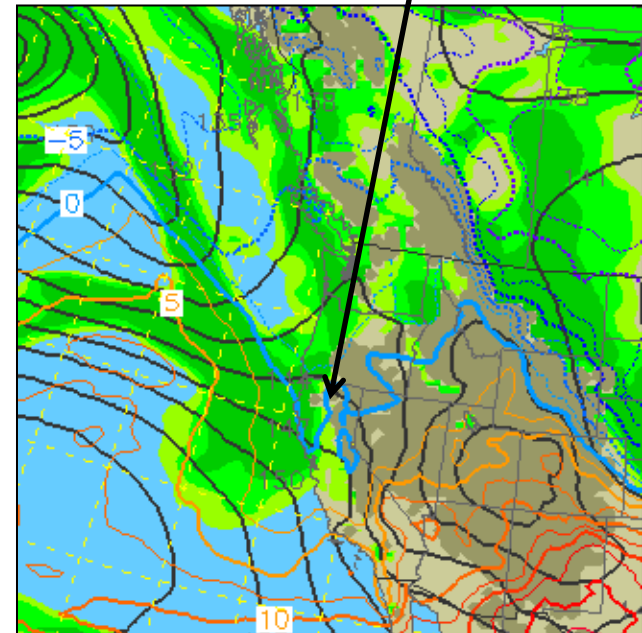
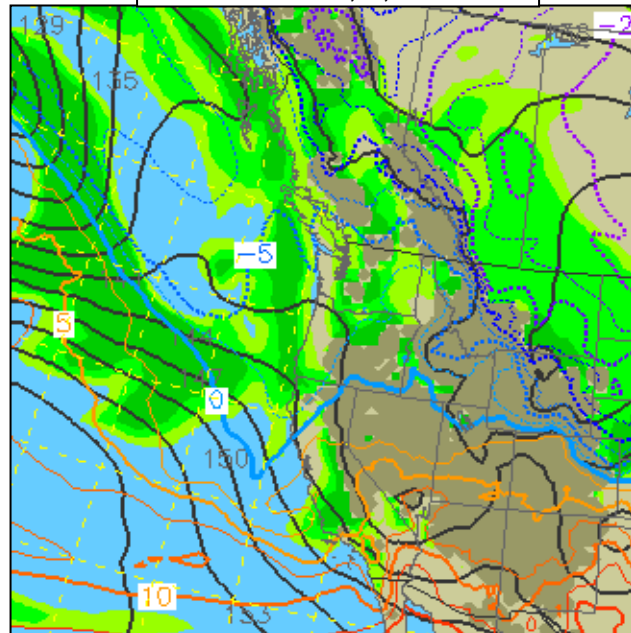
500-hPa Z & vort



Weak frontal wave moves SE



850-hPa Z, T, & RH





# MSLP, thickness & 3-h precip

21Z 6 Mar

00Z 7 Mar

Low and associated warm front drift south and weaken

Orographic precip favored this afternoon in ARB and along Sierra

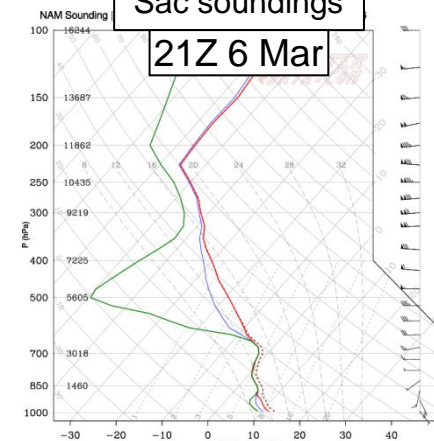
03Z 7 Mar

06Z 7 Mar

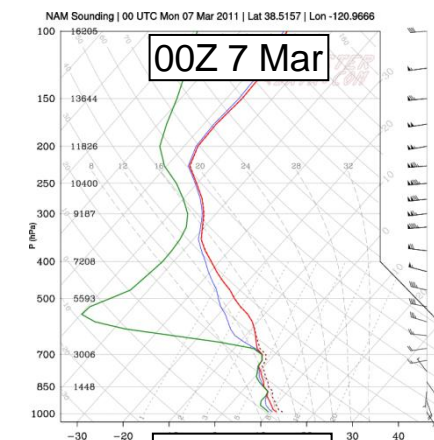
Precip becomes scattered this evening, then picks up as cold short-wave approaches

## Sac soundings

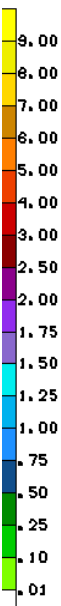
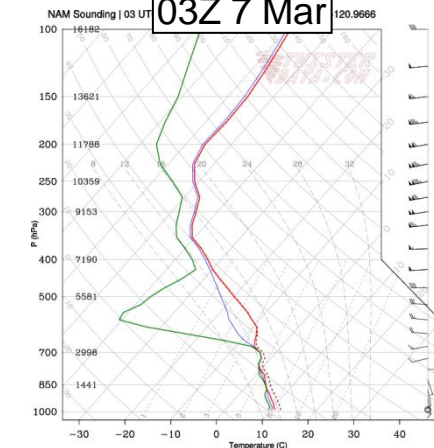
21Z 6 Mar



00Z 7 Mar



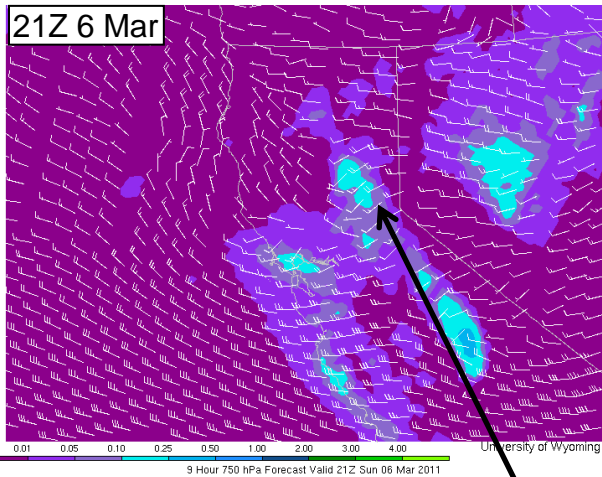
03Z 7 Mar



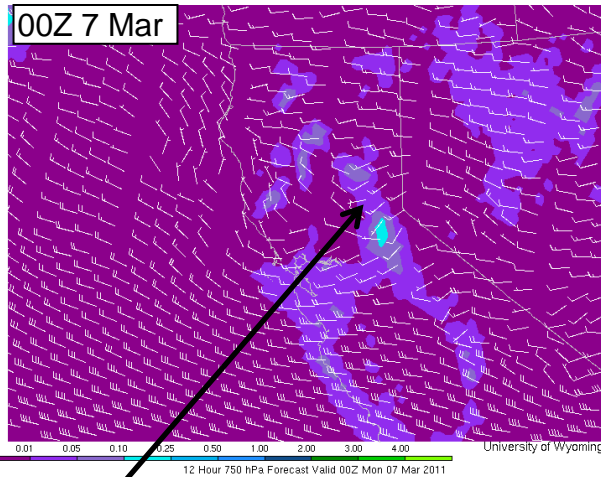
# Short-term low-level wind outlook from NAM

## 750 hPa (~2.5 km) winds & 3-h precip

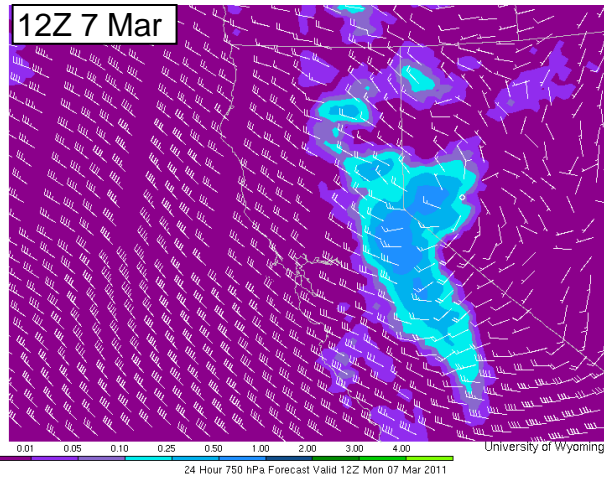
21Z 6 Mar



00Z 7 Mar



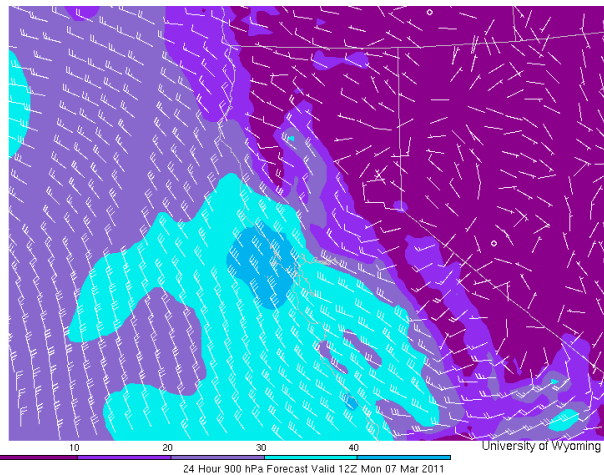
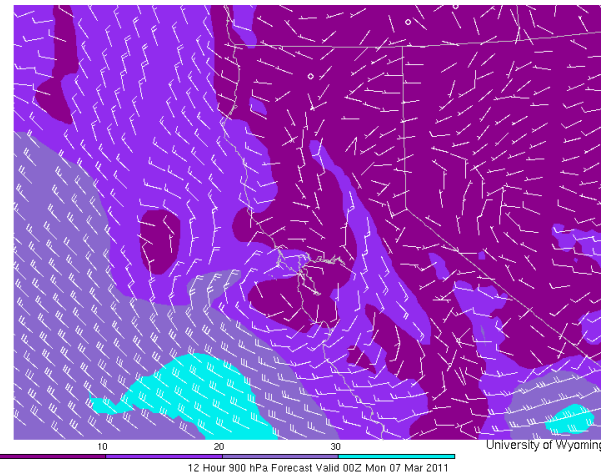
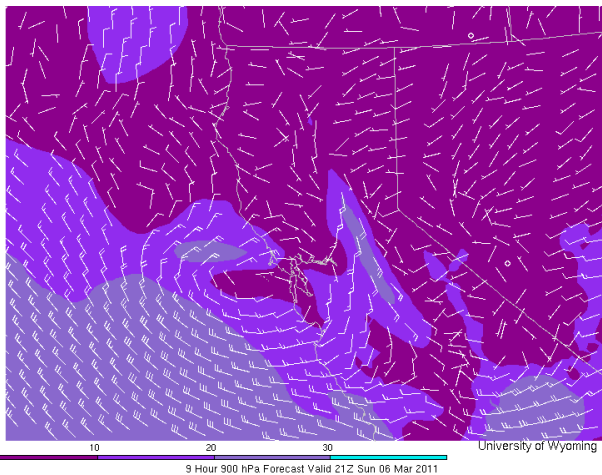
12Z 7 Mar



SW flow favors nice orographics along northern Sierra/ARB

As shortwave digs into N CA, another burst of precip; strong orographics favored Mon morn

## 900 hPa (~1 km) winds

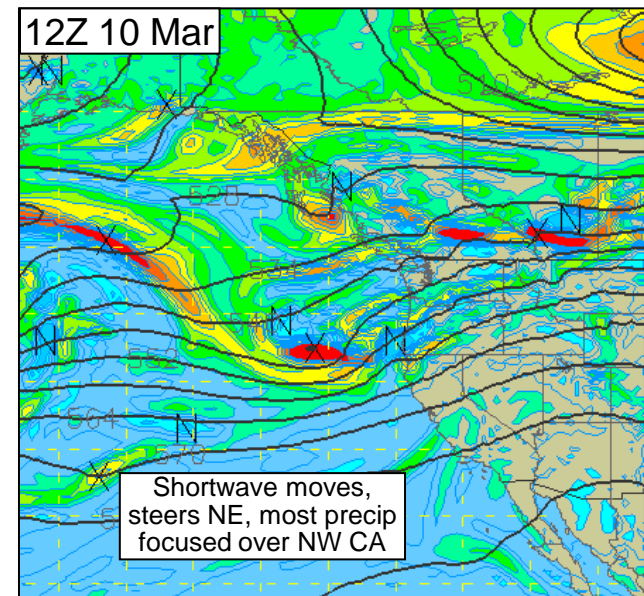
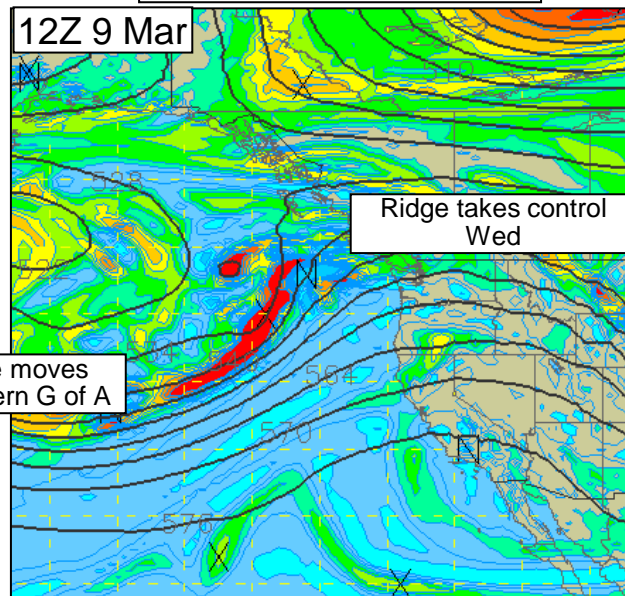
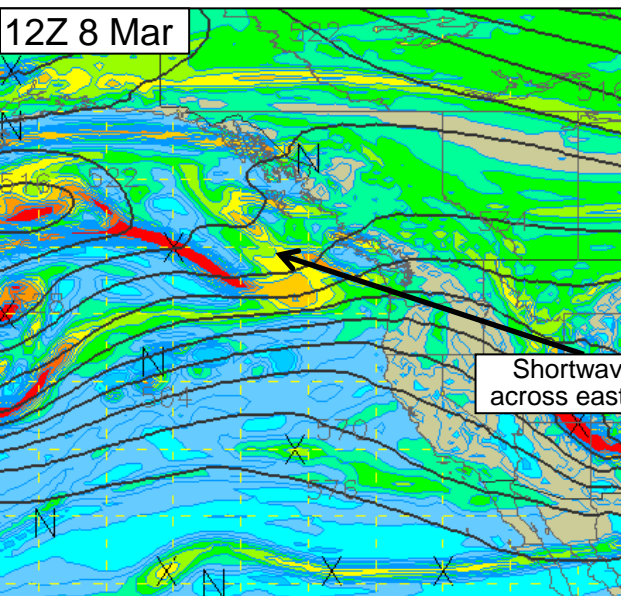


Weak (20 kt) barrier jet feature

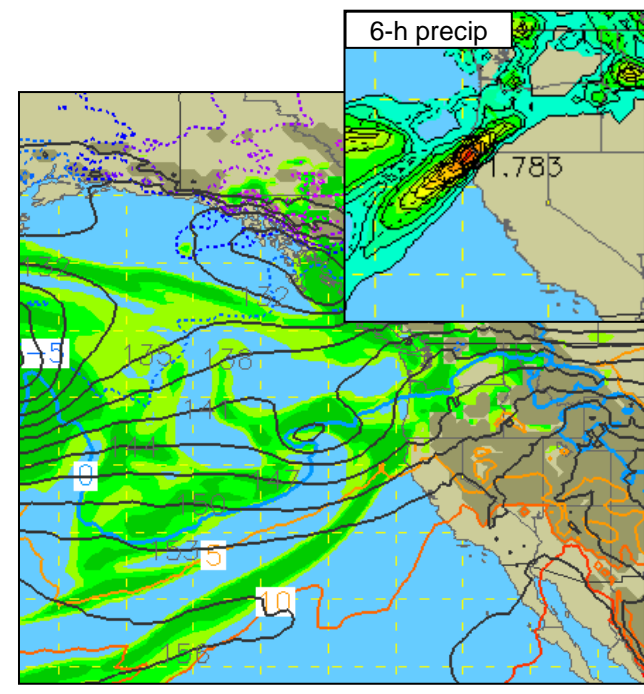
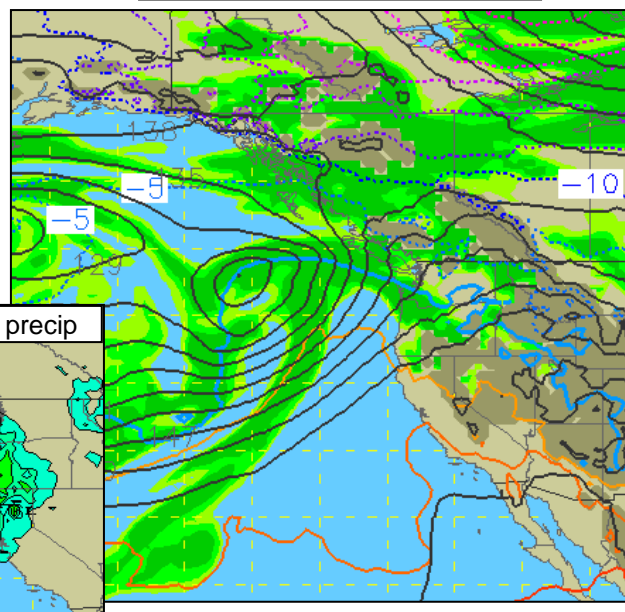
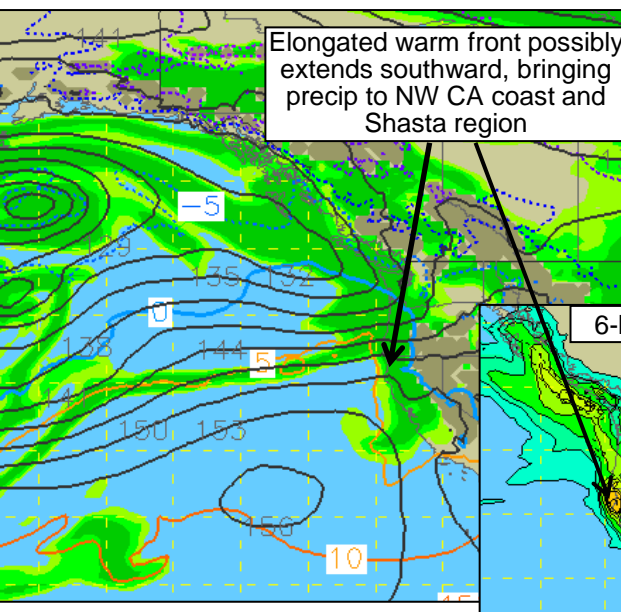


# Synoptic-scale outlook: 12Z 8 Mar – 12Z 10 Mar

500-hPa Z & vort



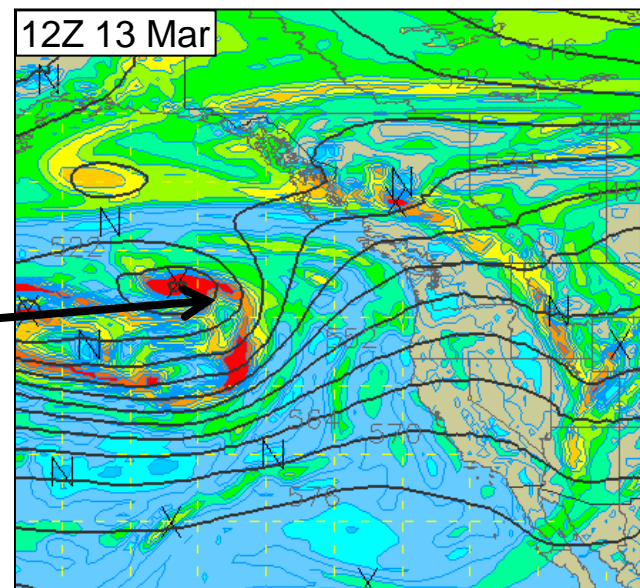
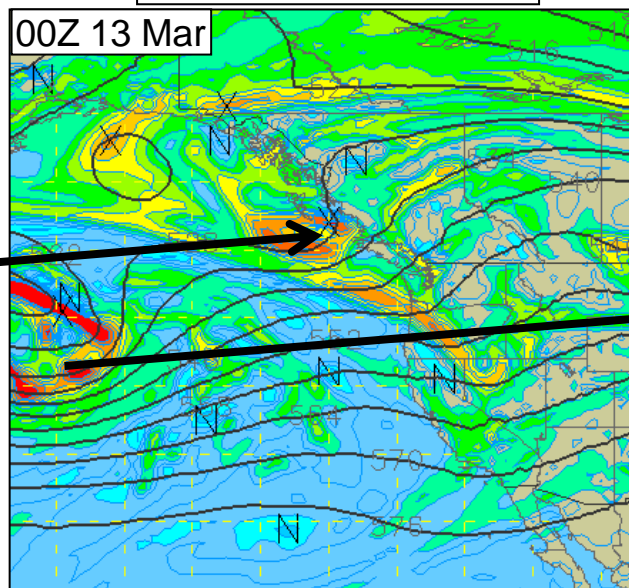
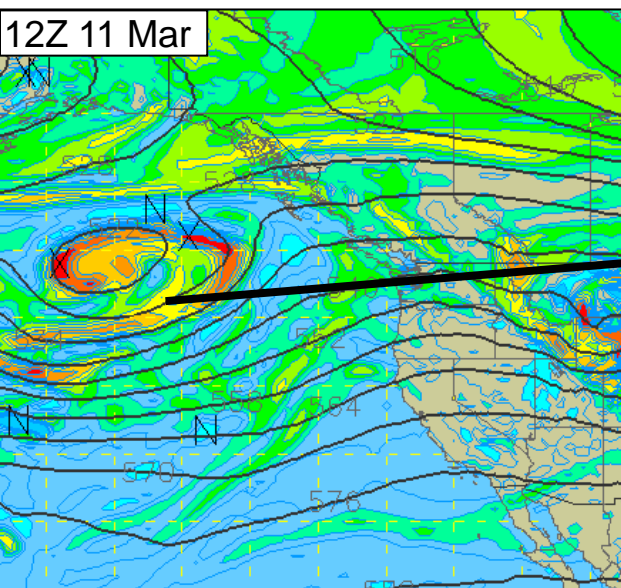
850-hPa Z, T, & RH



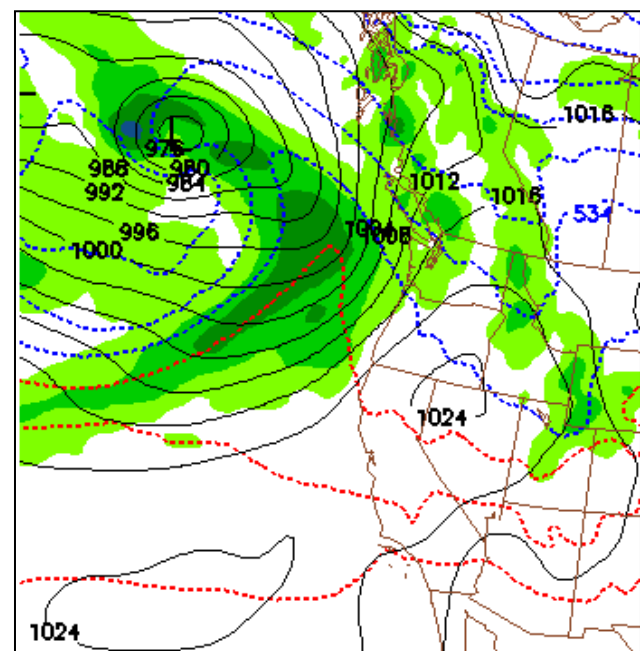
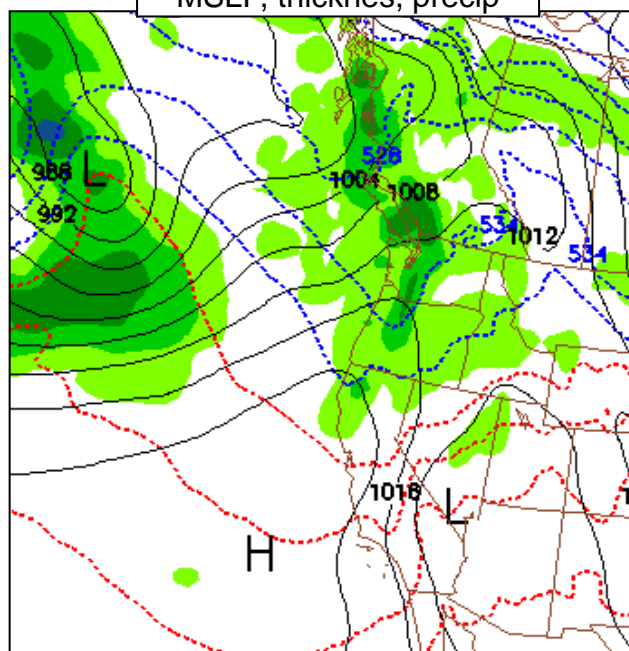
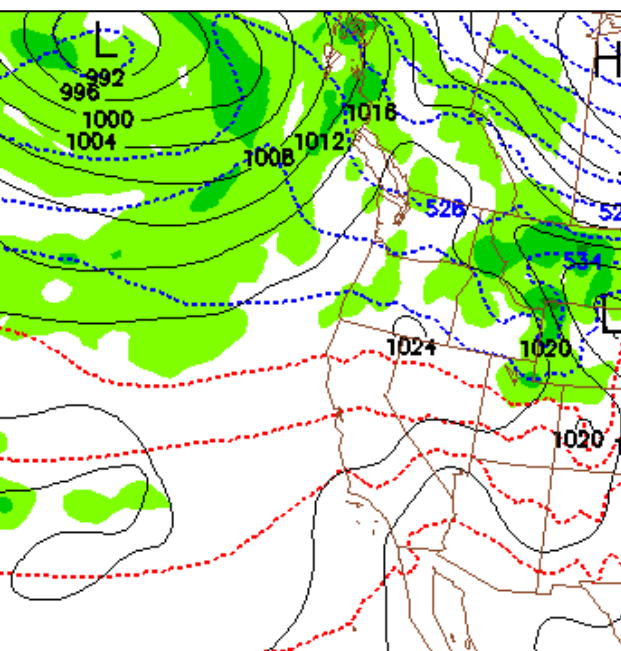
Deterministic GFS outlook to 15 Mar  
(end of HMT field season)

# Synoptic-scale outlook: 12Z 11 Mar – 12Z 13 Mar

500-hPa Z & vort



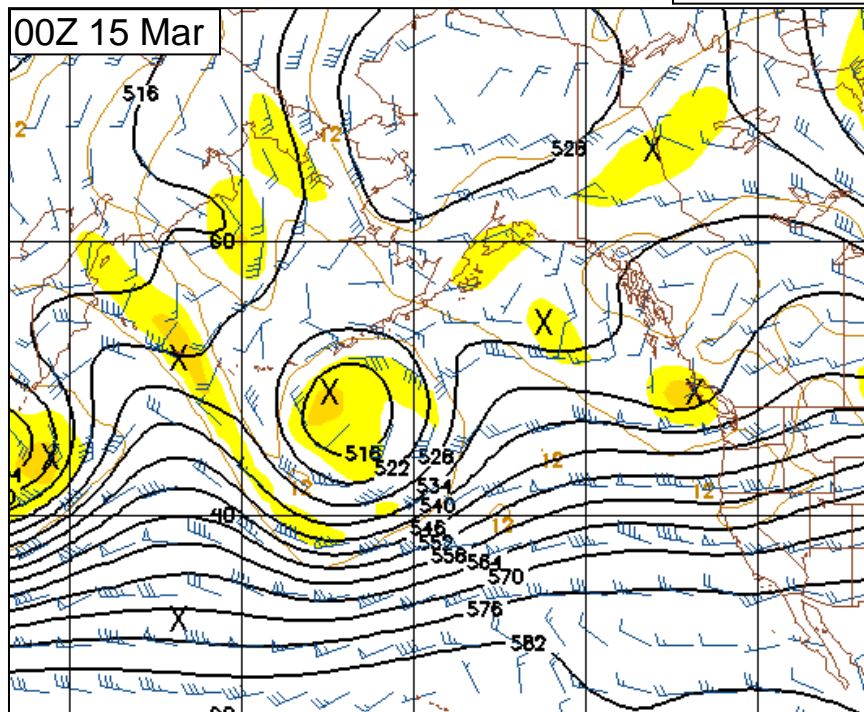
MSLP, thicknes, precip





# 500-hPa Z & vort

00Z 15 Mar



00Z 16 Mar

